

Amendments to the Specification:

Please replace the amended paragraph on page 14, lines 26-28, as amended by the Preliminary Amendment filed March 4, 2004, with the following amended paragraph:

Fig. 3 simplified and schematically, illustrates the ~~principal~~principle of the present invention, exemplified at a torque transmission shaft arrangement for polishing;

Please replace the paragraph on page 18, line 25 through page 19, line 6, with the following amended paragraph:

In an open loop control manner, e.g. when A_{42} shall just be indicative of reaching a material interface (endpoint detection) the control unit ~~45~~44 disables the polishing process, when A_{42} experiences e.g. a predetermined, preset time derivative as shown in dashed lines in Fig. 4. Although the surface of the substrate to be polished could possibly be provided instead of polishing surface 34 of fig. 3, the polishing surface being provided at table 38, in a most preferred embodiment and as exemplified in fig. 3 the substrate 30 to be treated is mounted to the rotating shaft arrangement 36.

Please replace the paragraph on page 20, lines 4-8, with the following amended paragraph:

There is provided a recess 56 in the base body 52, preferably at the outside surface of body 52 and in a most preferred form, as shown in fig. 5, defined between the end portions 54a, 54b which latter define for projecting rim portions 58.

Please replace the paragraph on page 22, lines 6-10, with the following amended paragraph:

It must be emphasized that instead of the preferred rolling contact arrangement, as realized by the balls 84, a mere sliding system for signal transmission may be provided where contact between the ~~rim~~-rings 80 and 82 is established in a sliding rather than in a rolling manner.

Please replace the paragraph on page 22, line 11-25, with the following amended paragraph:

In fig. 6 there is shown a further embodiment of a transducer shaft section or module according to the present invention. The transducer shaft section 90 comprises a hollow cylindrical support 92. The base body 94 which is at both end portions 94a and 94b rigidly mounted to shaft 39 - as by screw-bolt 95 - defines for a cylindrical recess 96 which is closed towards hollow space 98 by the support 92. The sensor arrangement 60 is mounted to the base body 94 within recess 96, wherein there is further mounted the sensor electronic with the analogue to digital converter unit 62. The support ~~82~~92 has in fact only the task of closing recess ~~86~~96 towards the hollow space ~~88~~96 and may contribute to the support for electronic unit with converter unit 62. It is supported and sealed by and towards base body 94 at sealing and fixating areas 91.